

FIGURES

File Path: F:\dmgp\20060901A10Plan\Dam\0901_DAM.dwg, Layout: 11x17-L_R13_HP9500 Wed, Jan 10, 2007 - 8:25 AM User: Ampt

CTB

LMANK DAM

JMS VIEW: DAM SITE

UCS: SITE



LEGEND OF OBSERVATIONS/DEFICIENCIES

- Ⓐ SIGNIFICANT/SEVERE SCARP ON SLOPE
- Ⓑ SATURATED BENCH/EQUIPMENT RUTTING
- Ⓒ STORMWATER RUNOFF RILLING ON SLOPE

PROJ. MANAGER:			
CHIEF DESIGNER:			
REVIEWED BY:	DATE		
1.	DATE	DESCRIPTION	BY

SCALE:	
HORZ:	1" = 400'
VERT:	
DATUM:	
HORZ:	
VERT:	
GRAPHIC SCALE	



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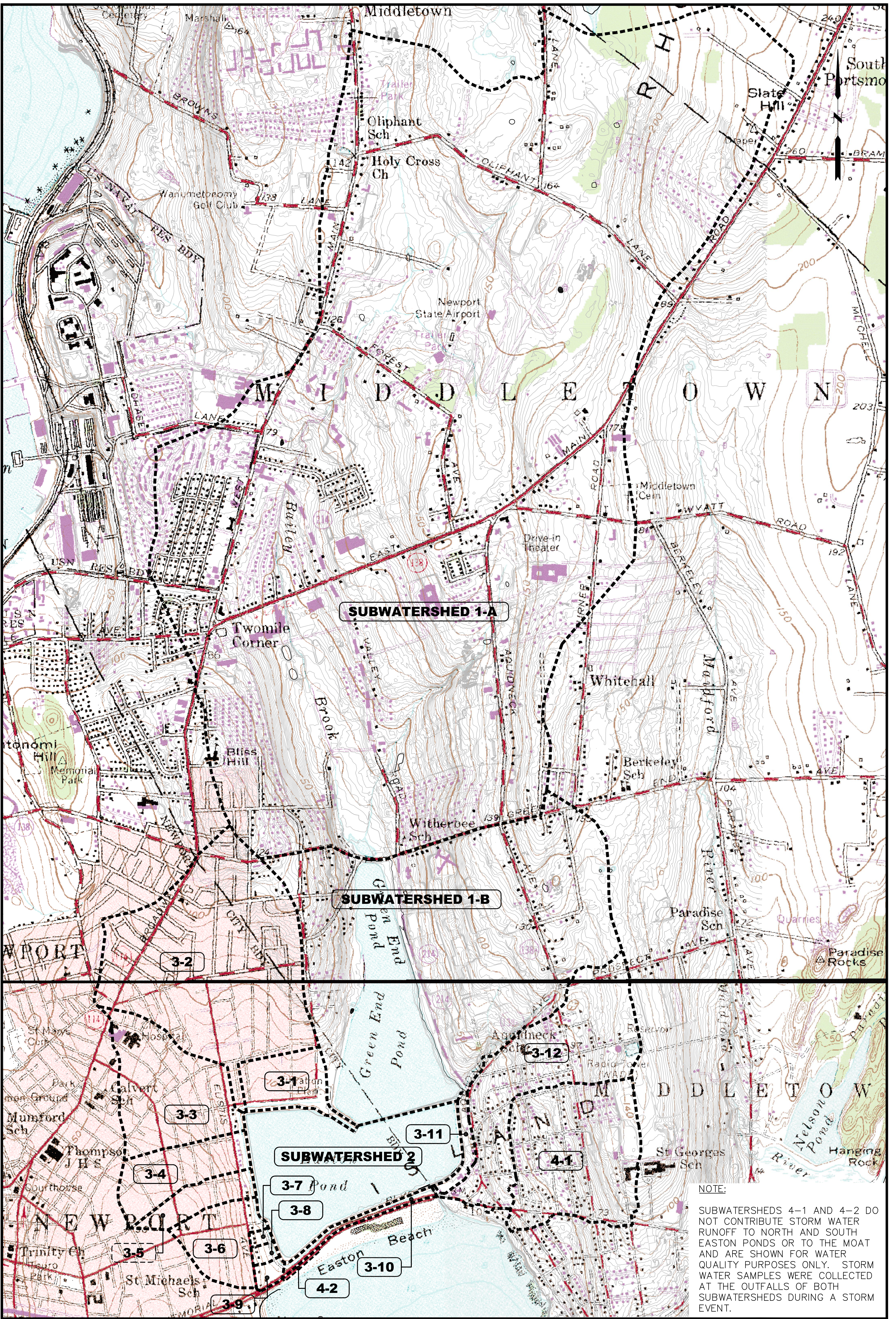
CITY OF NEWPORT
DAM INSPECTION OVERVIEW MAP
EASTON POND DAM AND MOAT STUDY

NEWPORT

RHODE ISLAND

PROJ. No.: 20060901.A10
DATE: NOVEMBER 2006

FIGURE 1



File Path: F:\Dwg\20060901\10\Plan\DRAINAGE\Figure2.dwg, Layout: 24x36_P_RI, Tue, Jan 09, 2007, 11:22 AM, User: SeanA

CIB:

LMAN:

MS VIEW:

UCS:

PROJ. No.: 20060901.A10
 DATE: NOVEMBER 2006
FIG. 2

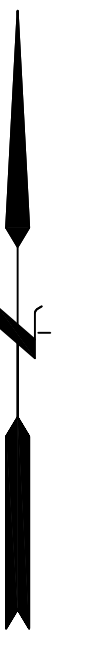
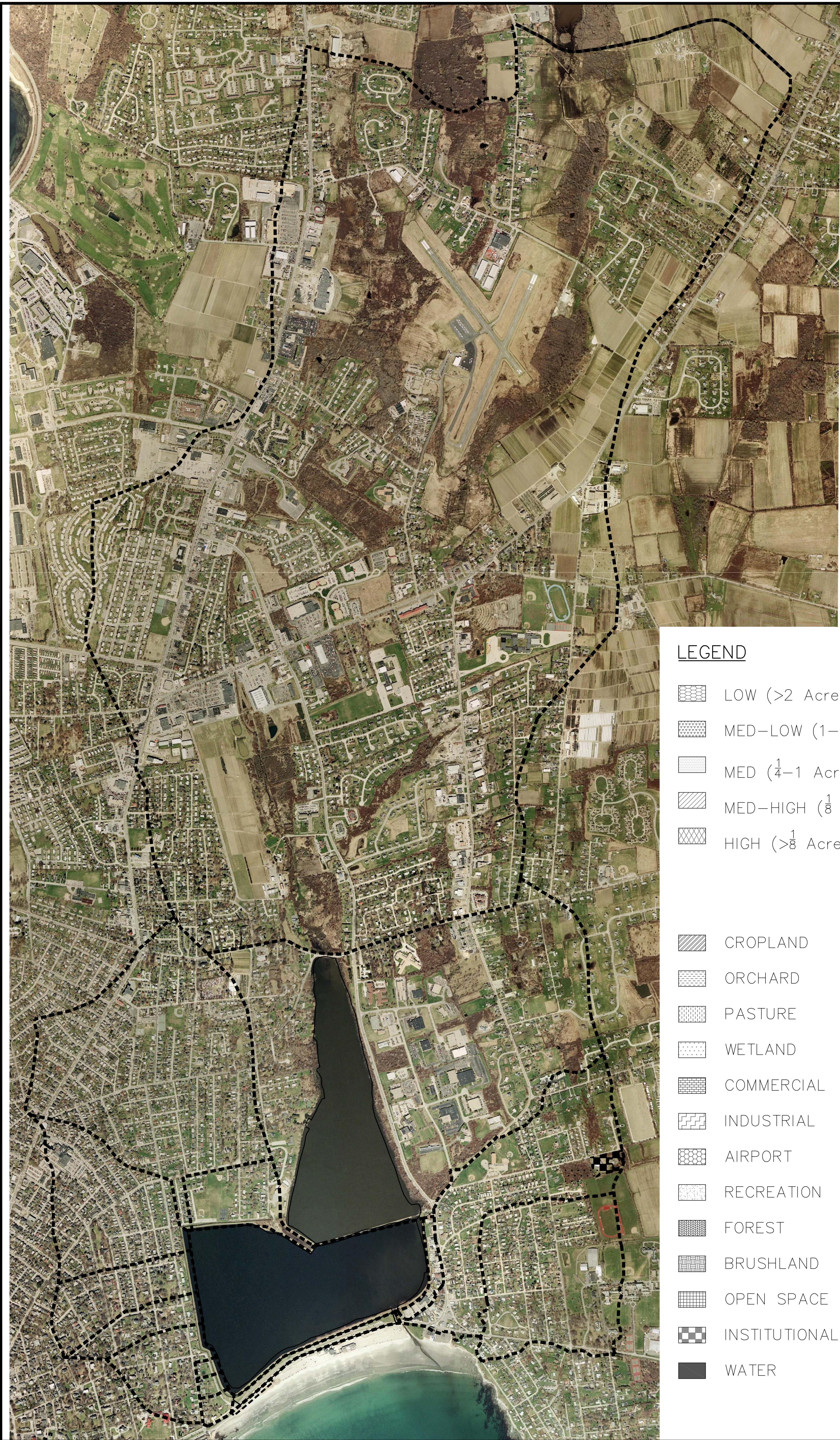
CITY OF NEWPORT
 WATERSHED DELINEATION MAP
 EASTON POND DAM & MOAT STUDY
 NEWPORT RHODE ISLAND

f FUSS & O'NEILL
Disciplines to Deliver
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SCALE:
 HORZ.: 1" = 700'
 VERT.:
 DATUM:
 HORZ.:
 VERT.:
 GRAPHIC SCALE

No.	DATE	DESCRIPTION

REVISIONS



LEGEND

- LOW (>2 Acre Lots)
- MED-LOW (1-2 Acre Lots)
- MED (1/4-1 Acre Lots)
- MED-HIGH (1/8 - 1/4 Acre Lots)
- HIGH (>1/8 Acre Lots)
- CROPLAND
- ORCHARD
- PASTURE
- WETLAND
- COMMERCIAL
- INDUSTRIAL
- AIRPORT
- RECREATION
- FOREST
- BRUSHLAND
- OPEN SPACE
- INSTITUTIONAL
- WATER

PROJ. No.: 20060901.A10
DATE: NOVEMBER 2006

FIG. 3

CITY OF NEWPORT
LAND USE MAP
EASTON POND DAM & MOAT STUDY

NEWPORT

RHODE ISLAND



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SCALE:
HORZ.: 1" = 700'
VERT.:
DATUM:
HORZ.:
VERT.:

GRAPHIC SCALE

No.	DATE	DESCRIPTION
1.		

REVISIONS

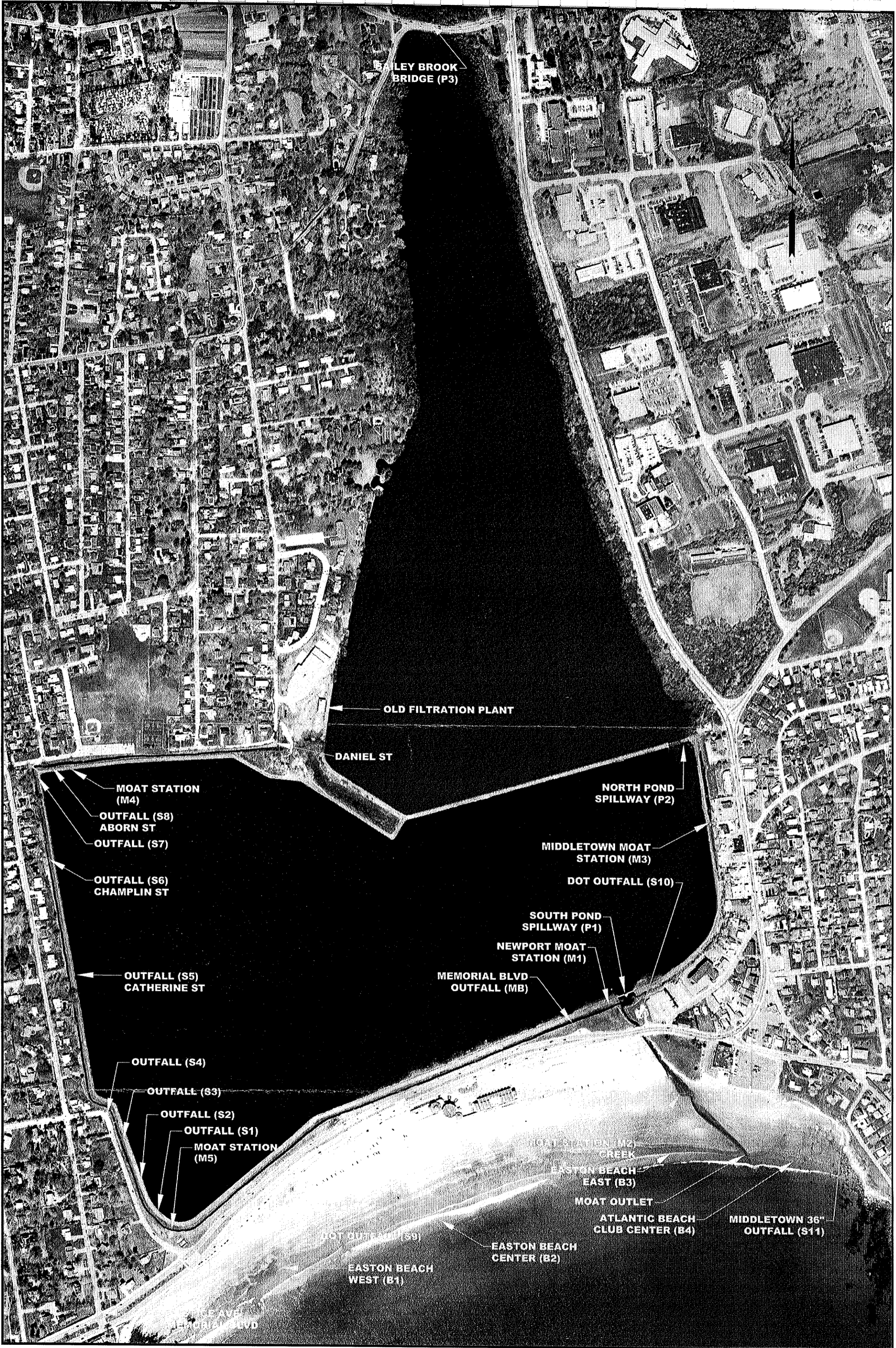
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CTB

LMAN

MS VIEW

UCS



SCALE	HORZ 1" = 500'
	VERT
DATUM	
	HORZ
	VERT
GRAPHIC SCALE	

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CITY OF NEWPORT

SAMPLING LOCATION PLAN

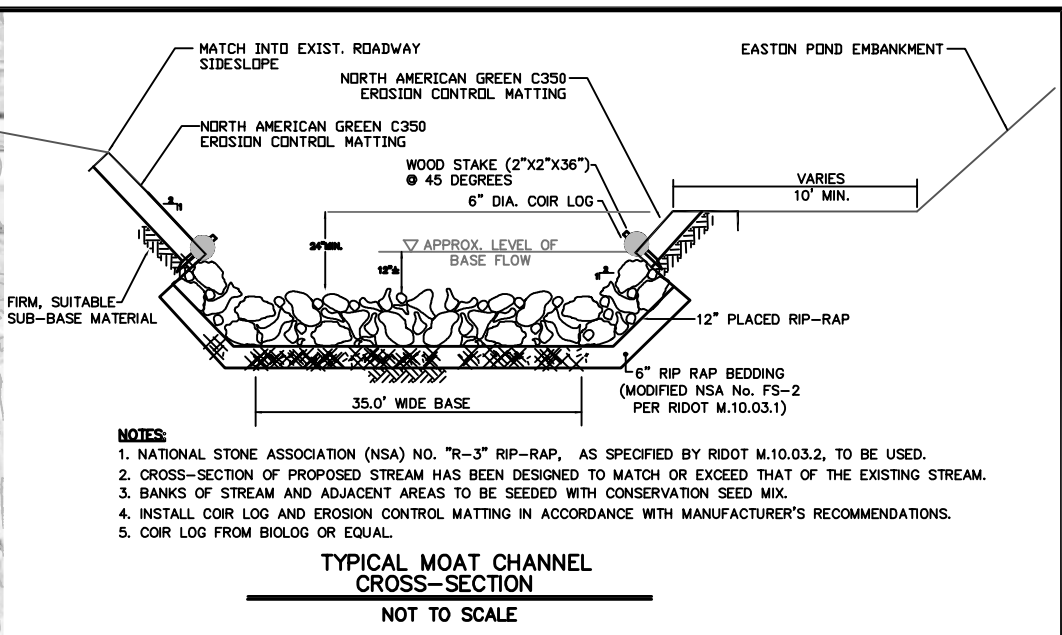
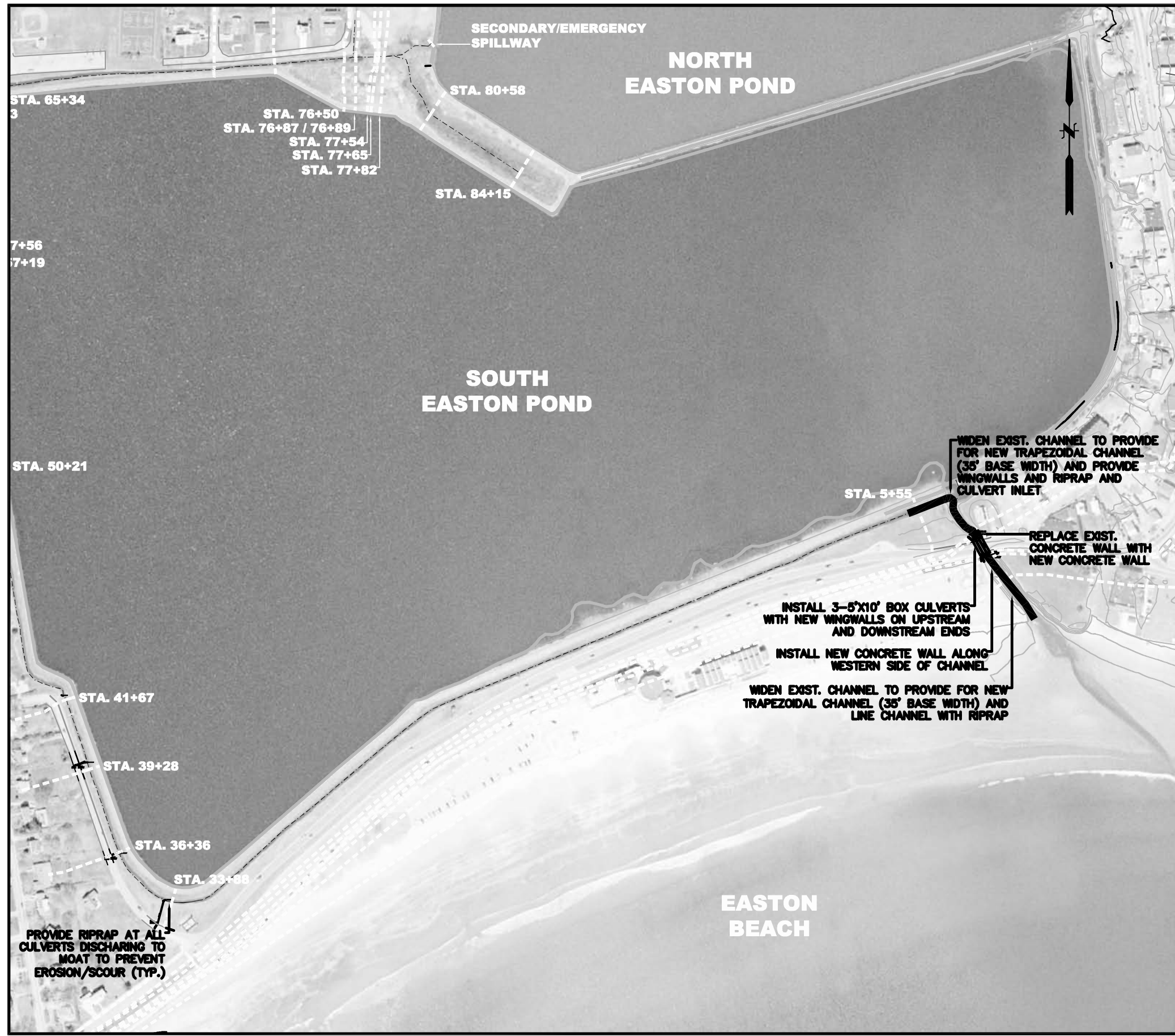
EASTON POND DAM AND MOAT STUDY

NEWPORT

RHODE ISLAND

PROJ. No. 20060901.A10 DATE NOVEMBER 2006
FIGURE 4

File Path: F:\Dwg\20060901\A10\Plan\RAINAGE\T12\Figures\Alternative3.dwg, Layout: 24x36-L_RI, Fri, Apr 06, 2007 - 2:03 PM User: jRby
 UCS: LMS VIEW: CITE: LUAN:



SAMPLE PHOTO OF THREE BOX CULVERTS
NOT TO SCALE

Approximate Newport Tidal Datum Information:
(in reference to NGVD 1929)

MHHW (Mean Higher High Water)	= 2.67
MHW (Mean High Water)	= 2.42
MTL (Mean Tide Level)	= 0.69
MLW (Mean Low Water)	= -1.04
MLLW (Mean Lower Low Water)	= -1.18

No.	DATE	DESCRIPTION	BY
1.			

PROJ. MANAGER:	
CHIEF DESIGNER:	
REVIEWED BY:	DATE

SCALE:	
HORIZ.: 1" = 360'	
VERT.:	
DATUM:	
HORIZ.:	
VERT.:	
GRAPHIC SCALE	

0	180	360
---	-----	-----

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CITY OF NEWPORT
 ALTERNATIVE 3 FLOOD IMPROVEMENTS
 EASTON POND DAM & MOAT STUDY
 NEWPORT RHODE ISLAND

PROJ. No.: 20060901.A10
 DATE: MARCH 2007
FLOOD LTA-3

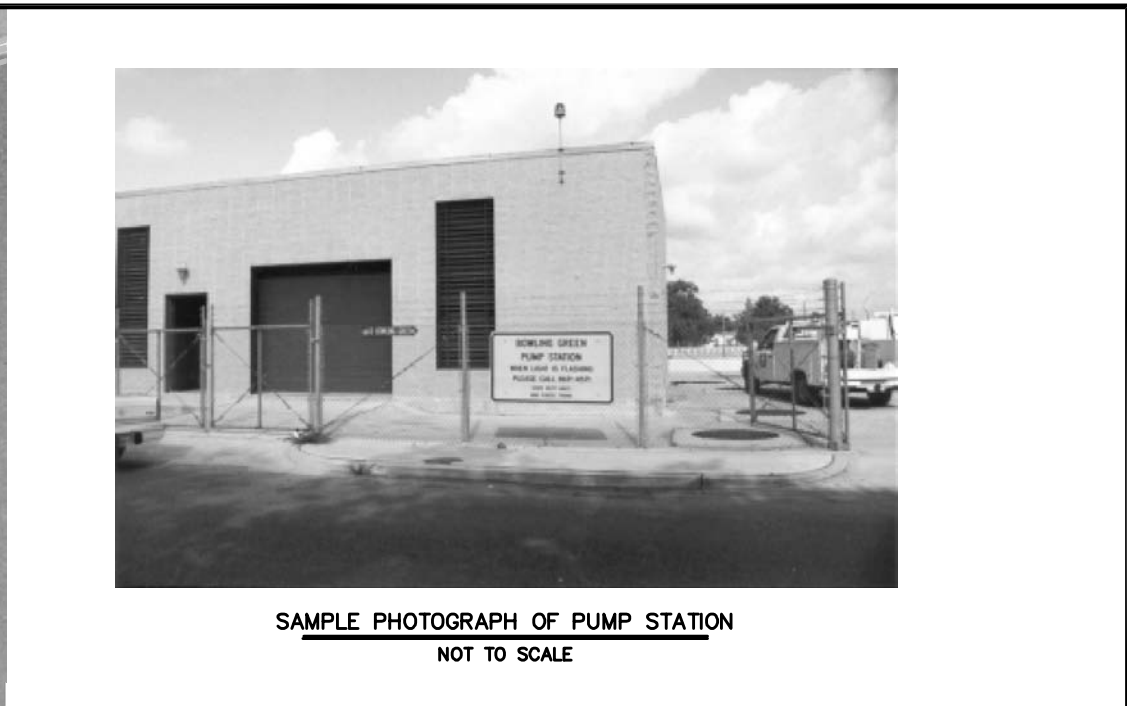
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CITE:

LUMIN:

IMS VIEW:

UCS:



- 20' WIDE DIVERSION CHANNEL / SEDIMENTATION BASIN
- CONSTRUCT NEW CONCRETE HEADWALL FOR PUMP INLETS
- NEW PUMP STATION TO ACCOMMODATE 2-42" STORMWATER AXIAL FLOW PUMPS, WET WELL, AND ASSOCIATED EQUIPMENT
- 2-48" DIAMETER STEEL DISCHARGE PIPES TO OUTLET AT NEW CONCRETE HEADWALL
- INSTALL RIPRAP AT OULTET AND NEW 30' WIDE RIPRAP CHANNEL TO MEAN LOW TIDE

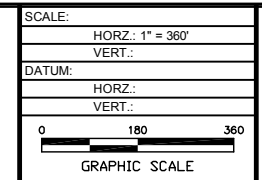
Approximate Newport Tidal Datum Information:
(in reference to NGVD 1929)

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MHW (Mean High Water)	= 2.42
MTL (Mean Tide Level)	= 0.69
MLW (Mean Low Water)	= -1.04
MLLW (Mean Lower Low Water)	= -1.18

No.	DATE	DESCRIPTION	BY
1.			

PROJ. MANAGER:	
CHIEF DESIGNER:	
REVIEWED BY:	DATE

SCALE:	
HORIZ.: 1" = 360'	
VERT.:	
DATUM:	
HORIZ.:	
VERT.:	




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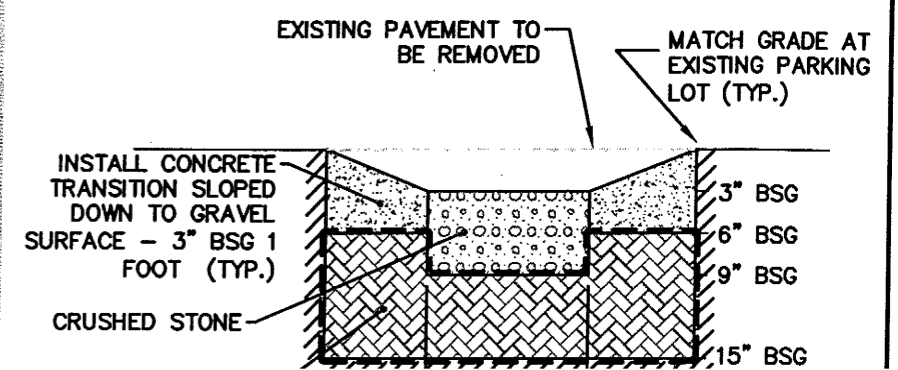
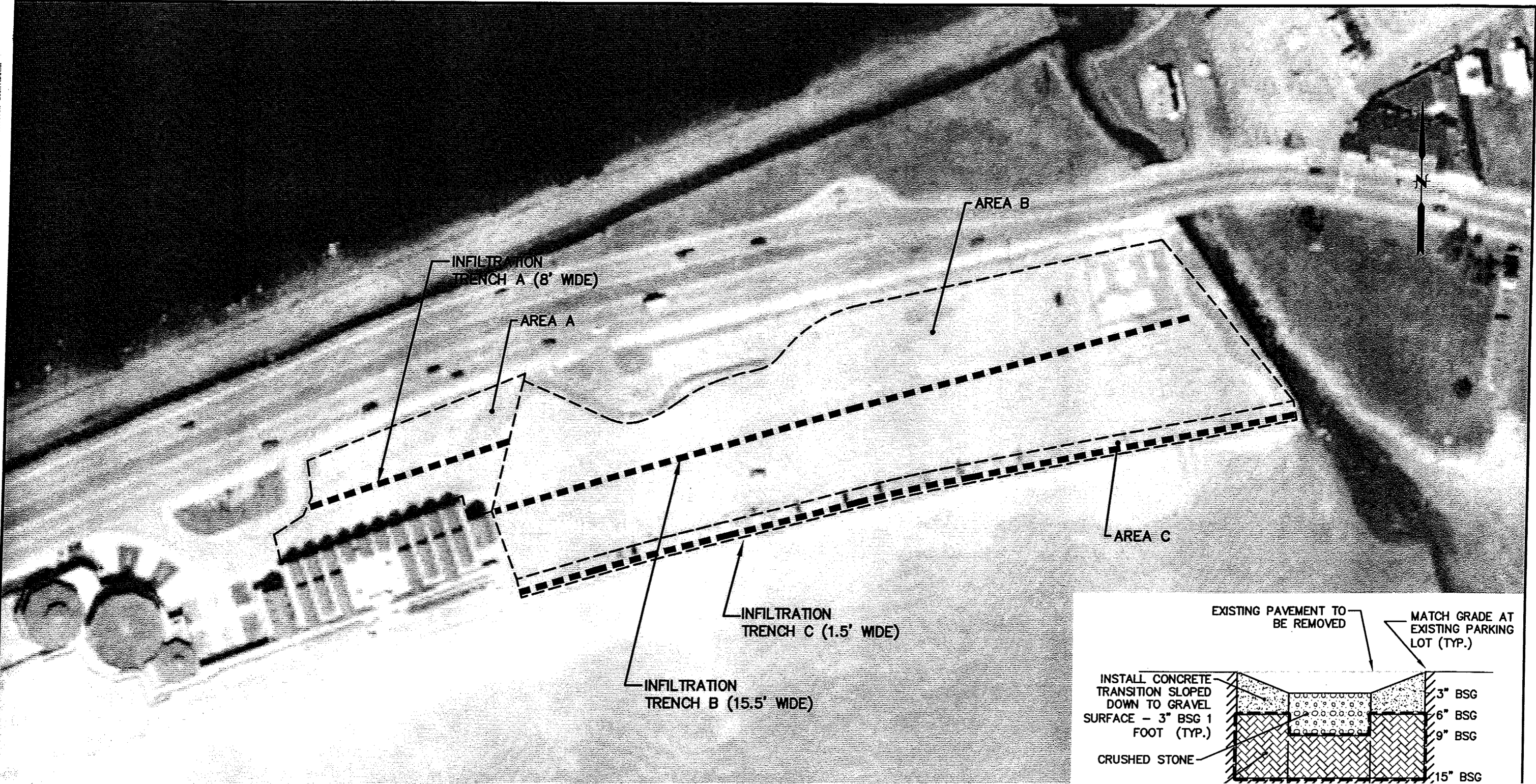
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CITY OF NEWPORT
 ALTERNATIVE 4 FLOOD IMPROVEMENTS
 EASTON POND DAM & MOAT STUDY

NEWPORT
RHODE ISLAND

PROJ. No.: 20060901.A10
 DATE: MARCH 2007

**FLOOD
LTA-4**



No.	DATE	DESCRIPTION	BY
1.			

PROJ. MANAGER:	
CHIEF DESIGNER:	
REVIEWED BY:	DATE

SCALE:

HORZ.: 1" = 100'

VERT.: _____

DATUM: _____

HORZ.: _____

VERT.: _____

GRAPHIC SCALE

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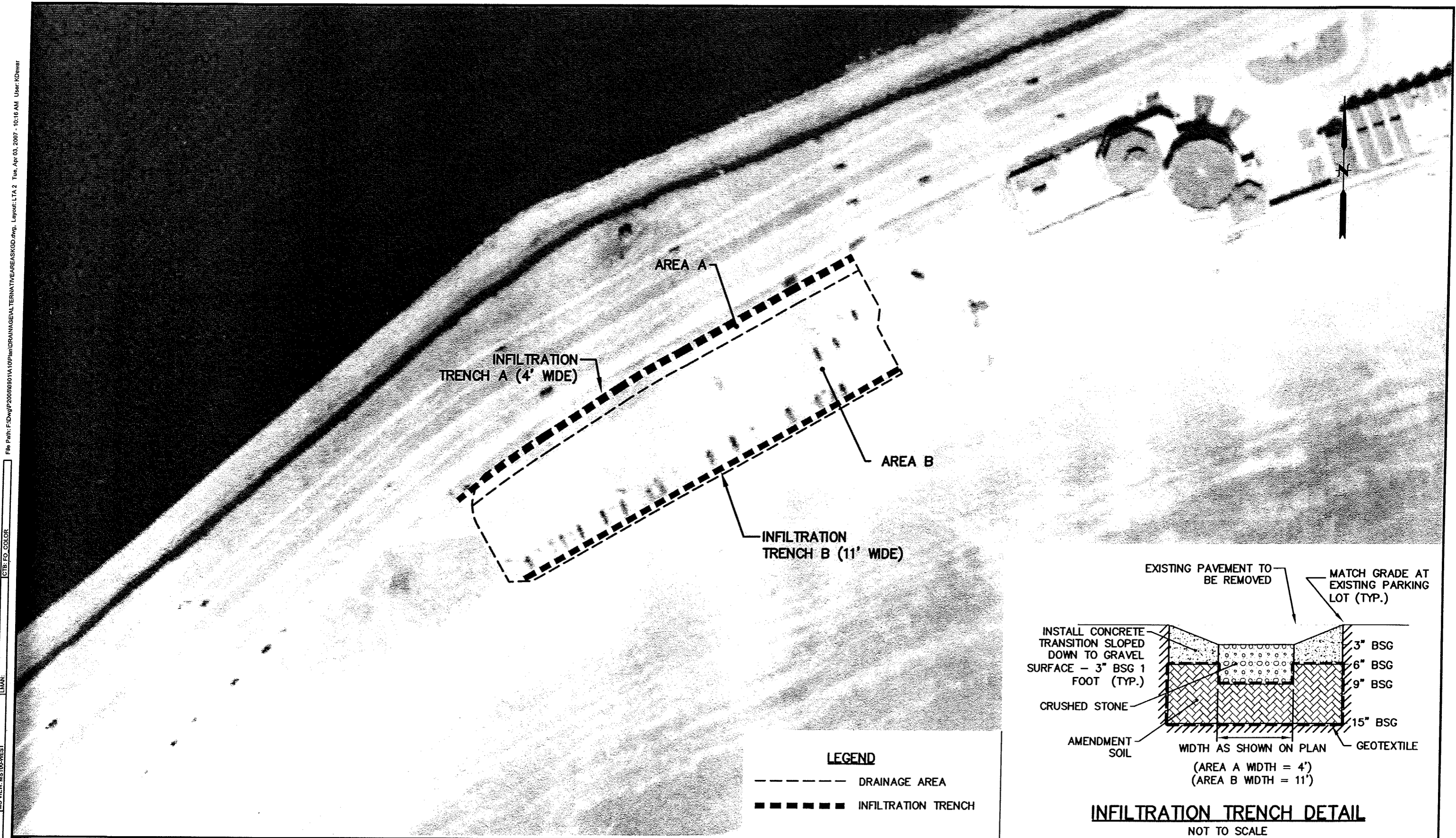
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CITY OF NEWPORT
INFILTRATION TRENCHES
WEST BEACH PARKING LOT
EASTON POND DAM AND MOAT STUDY

NEWPORT RHODE ISLAND

PROJ. No. 20060901 A10
DATE: MARCH 2007

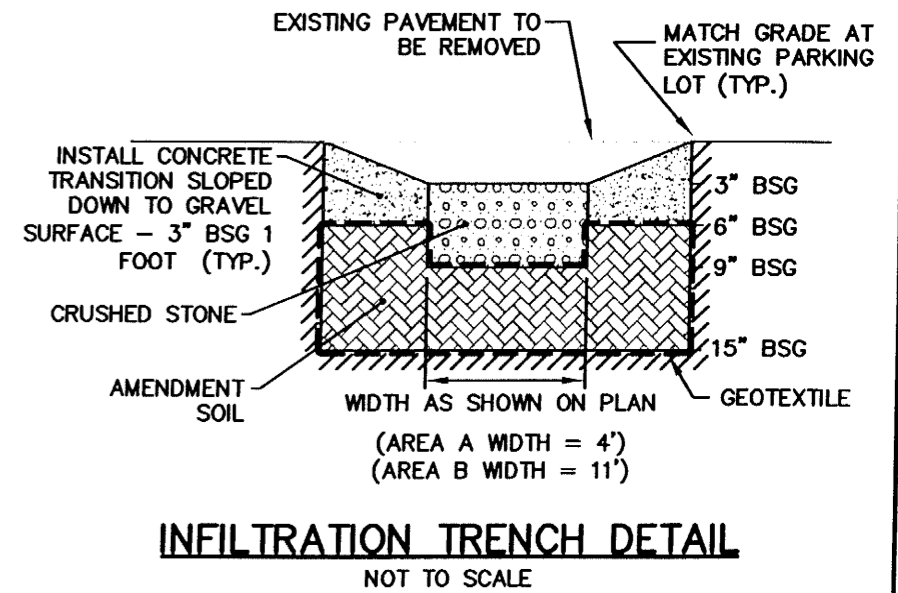
WQ
LTA-2

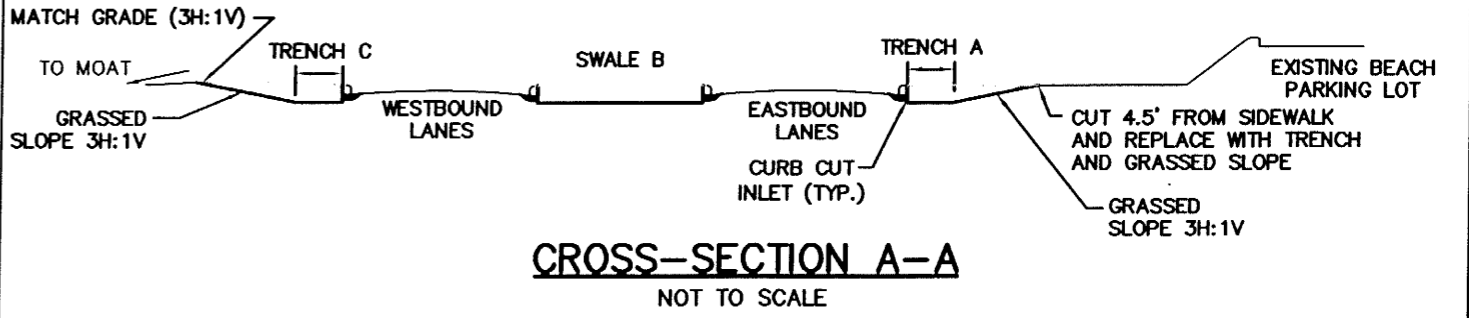
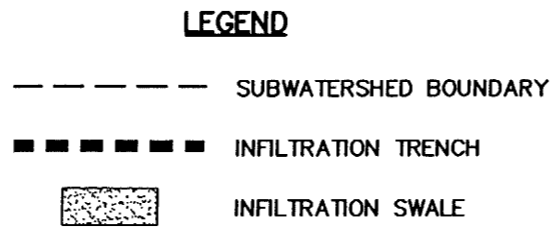
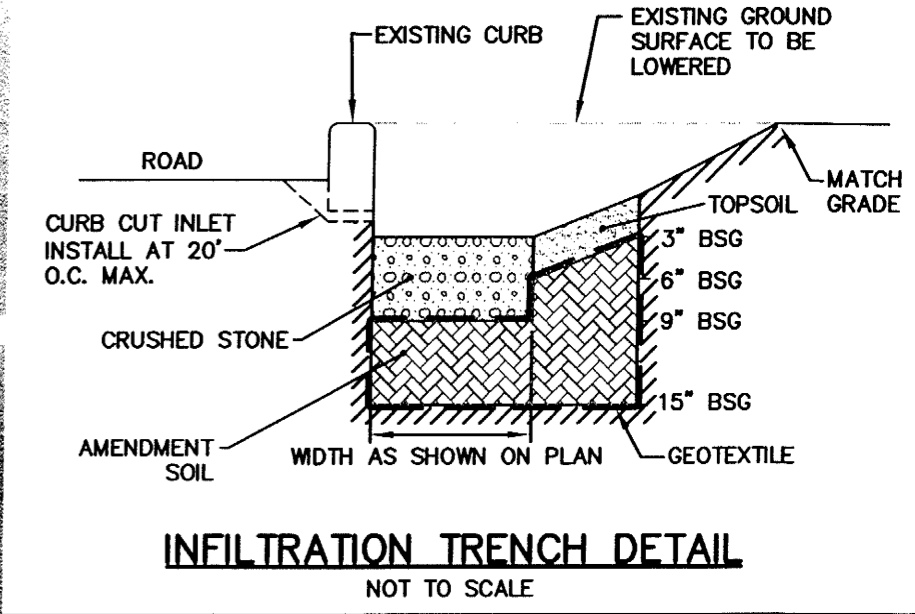
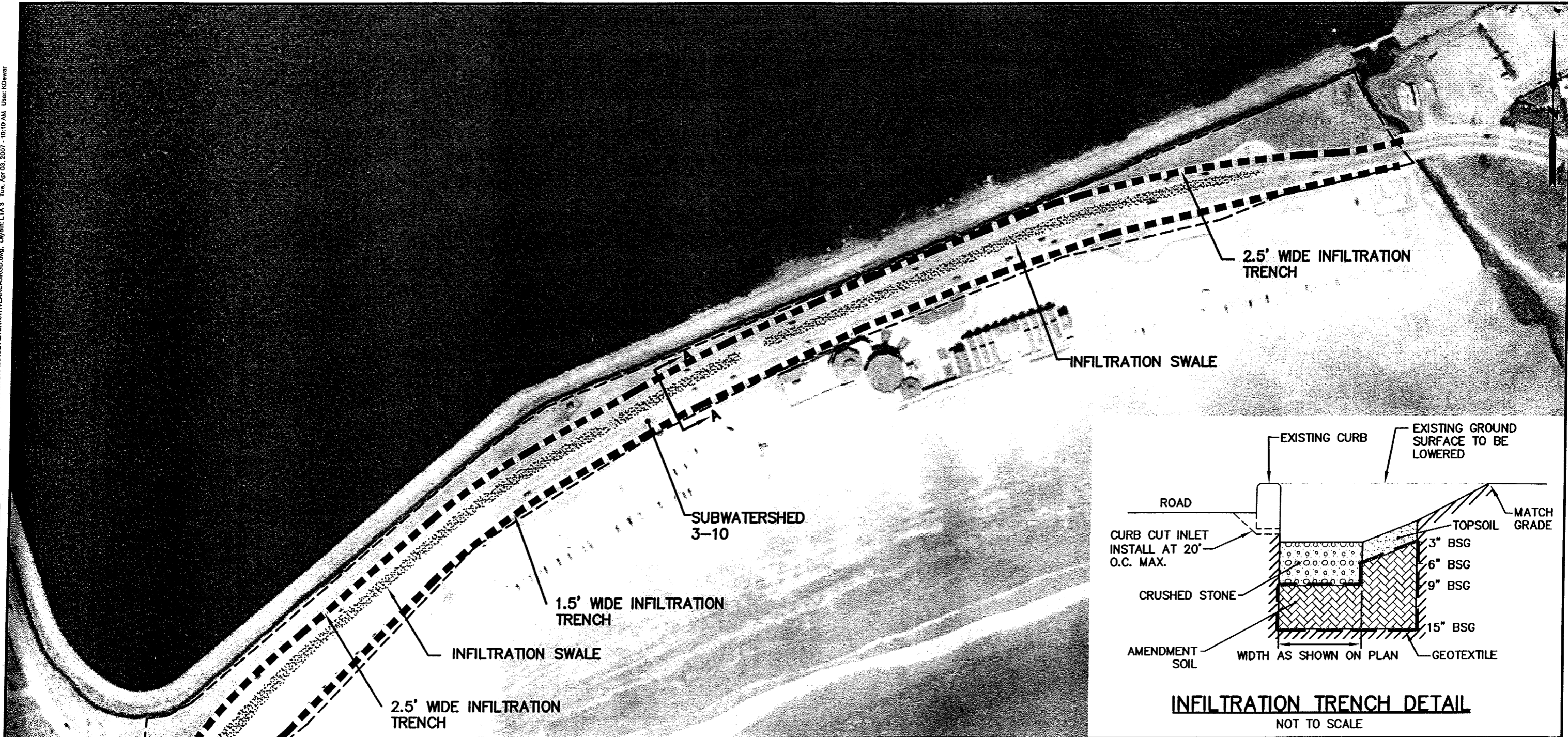


LEGEND

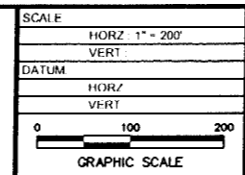
----- DRAINAGE AREA

----- INFILTRATION TRENCH





PROJ. MANAGER		DATE	
CHIEF DESIGNER		DATE	
REVISED BY	DATE	REVISED BY	DATE



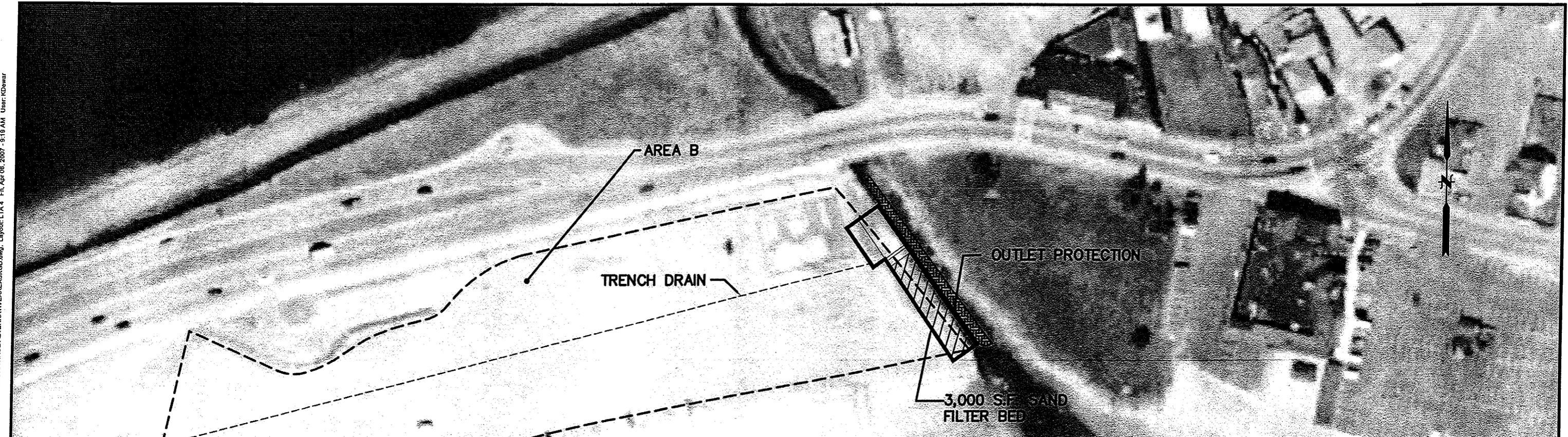
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CITY OF NEWPORT
INFILTRATION
MEMORIAL BOULEVARD
EASTON POND DAM AND MOAT STUDY
NEWPORT RHODE ISLAND

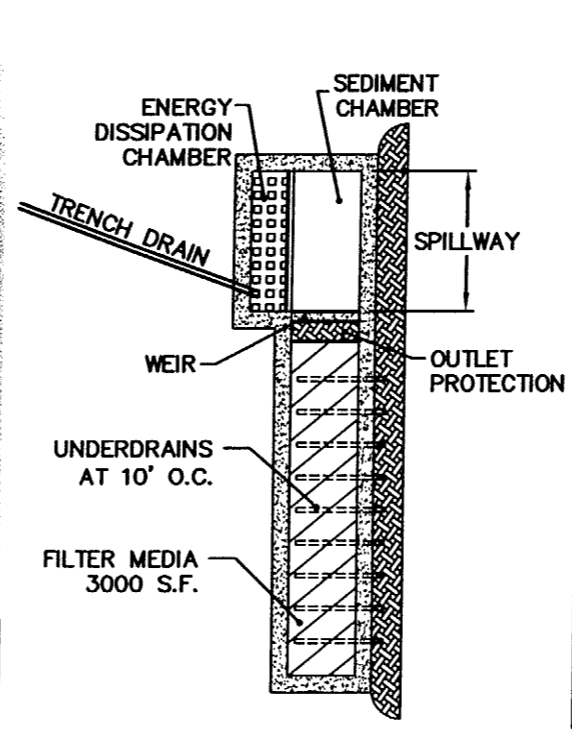
PROJ. No. 20060901 A10
DATE: MARCH 2007

WQ
LTA-3

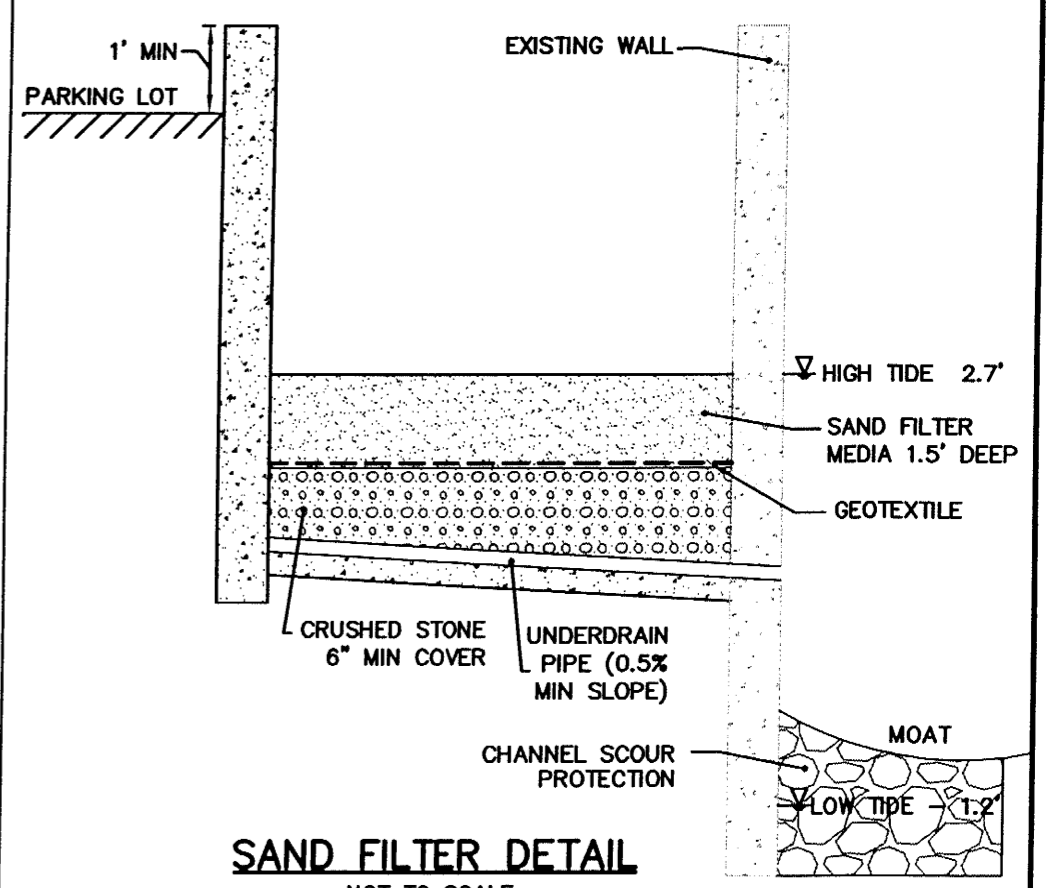


LEGEND

- DRAINAGE AREA
- TRENCH DRAIN
- ▨ FOOTPRINT OF SAND FILTER FILTER BED



SAND FILTER PLAN VIEW DETAIL
NOT TO SCALE



SAND FILTER DETAIL
NOT TO SCALE

No.	DATE	DESCRIPTION	BY

PROJ. MANAGER:	
CHIEF DESIGNER:	
REVIEWED BY:	
DATE:	

SCALE:

HORZ.: 1" = 100'

VERT.:

DATUM:

HORZ.:

VERT.:

GRAPHIC SCALE



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CITY OF NEWPORT
SAND FILTER
EAST BEACH PARKING LOT
EASTON POND DAM AND MOAT STUDY

NEWPORT

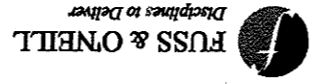
RHODE ISLAND

PROJ. No.: 20060901 A10
DATE: MARCH 2007

**WQ
LTA-4**

NO.	DATE	DESCRIPTION	BY

SCALE	
HORIZ.	
VERT.	
DATUM	
HORIZ.	
VERT.	
GRAPHIC SCALE	



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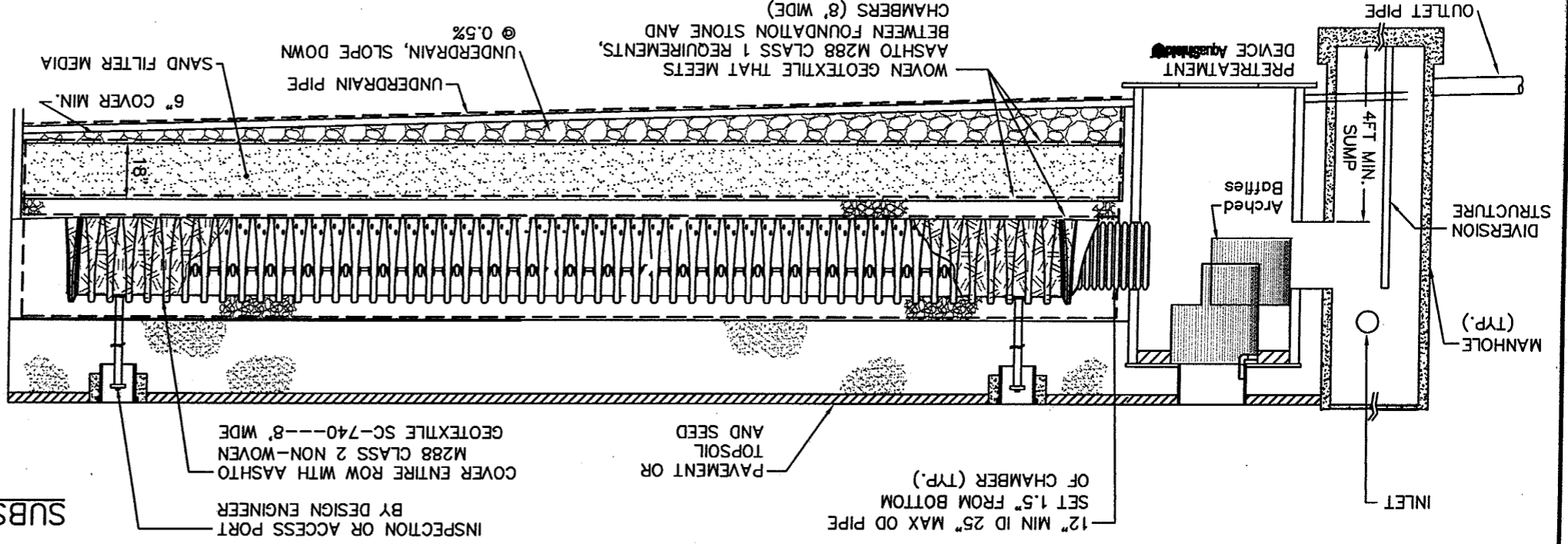
CHAMBER SAND FILTERS
EASTON POND DAM AND MOAT STUDY

CITY OF NEWPORT
NEWPORT
RHODE ISLAND

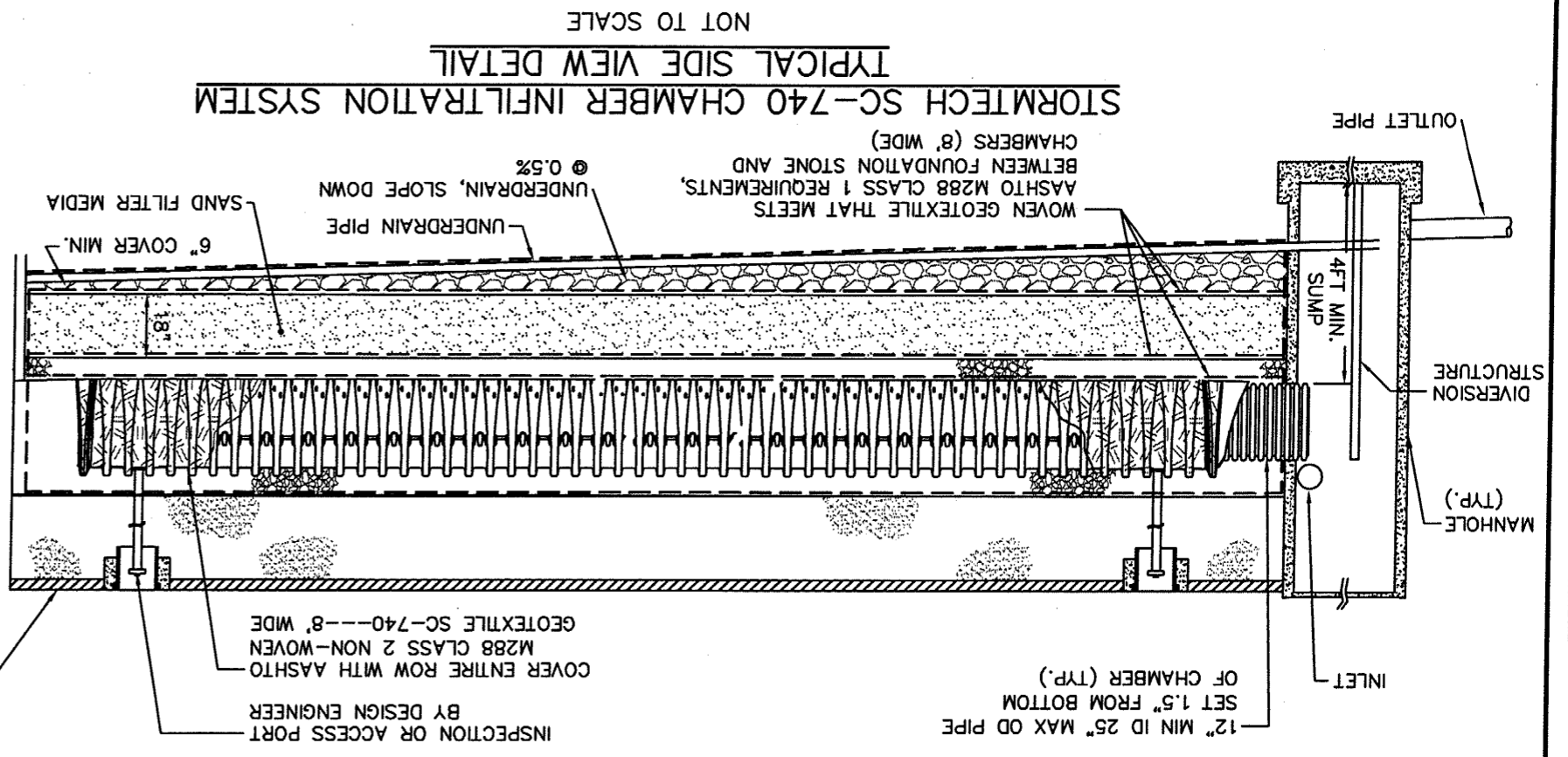
LTA-5
WQ

PROJ. No.: 20060901A10
DATE: MARCH 2007

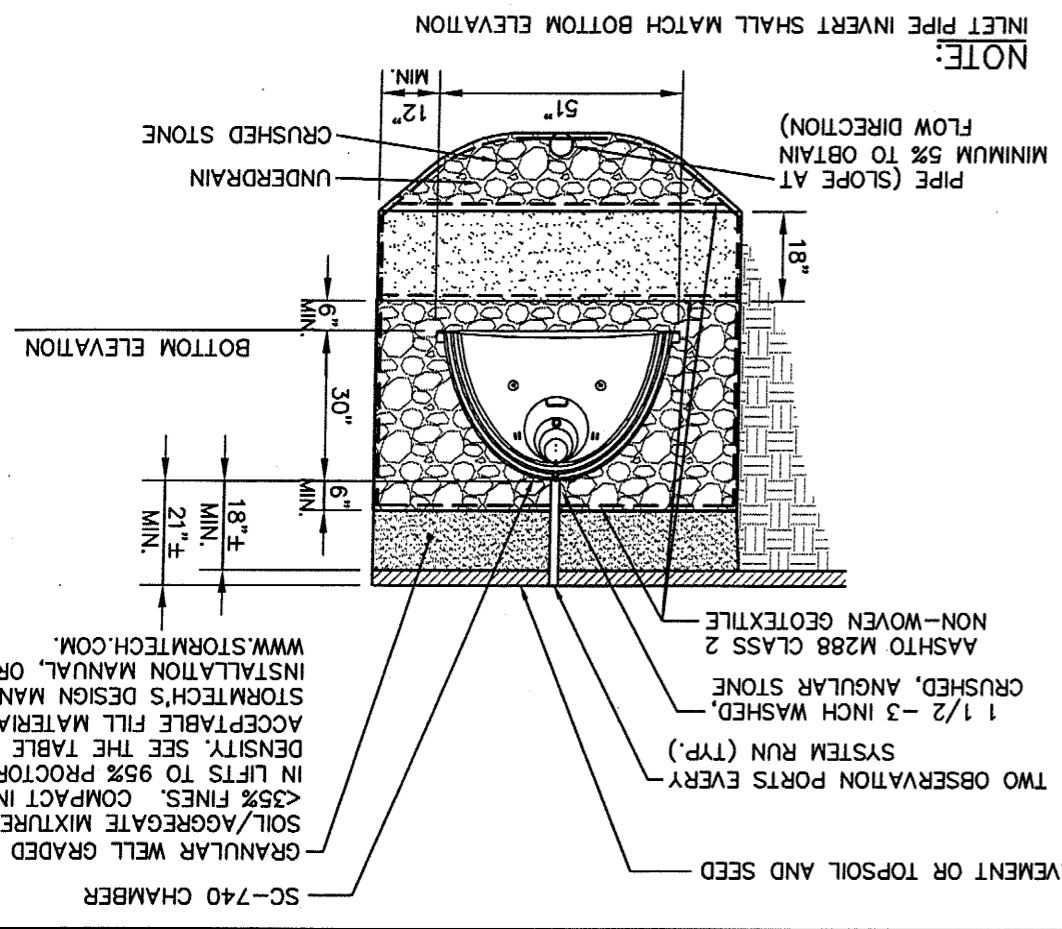
STORMTECH SC-740 CHAMBER SAND FILTER SYSTEM WITH AQUA-SWIRL CONCENTRATOR



STORMTECH SC-740 CHAMBER INFILTRATION SYSTEM



SUBSURFACE SAND FILTER SC-740 STORMTECH CHAMBER (OR EQUAL)
TYPICAL CROSS SECTION DETAIL



SC-740 CHAMBER
GRANULAR WELL GRADED
SOIL/AGGREGATE MIXTURES,
IN LIFTS TO 95% PROCTOR
DENSITY. SEE THE TABLE OF
ACCEPTABLE FILL MATERIALS IN
STORMTECH'S DESIGN MANUAL, OR
INSTALLATION MANUAL, OR
WWW.STORMTECH.COM.

NOTE:
INLET PIPE INVERT SHALL MATCH BOTTOM ELEVATION

NOT TO SCALE

NOT TO SCALE

NOT TO SCALE

US: WARD
 HIS VIEW
 LMAK
 CTR
 File Path: F:\Design\20060901A10\Stormtech\GENERAL\TERMINATE\REBAR\SKGD.dwg, Layout: LTA 5, Fri Apr 06, 2007, 9:24 AM User: KDWAR

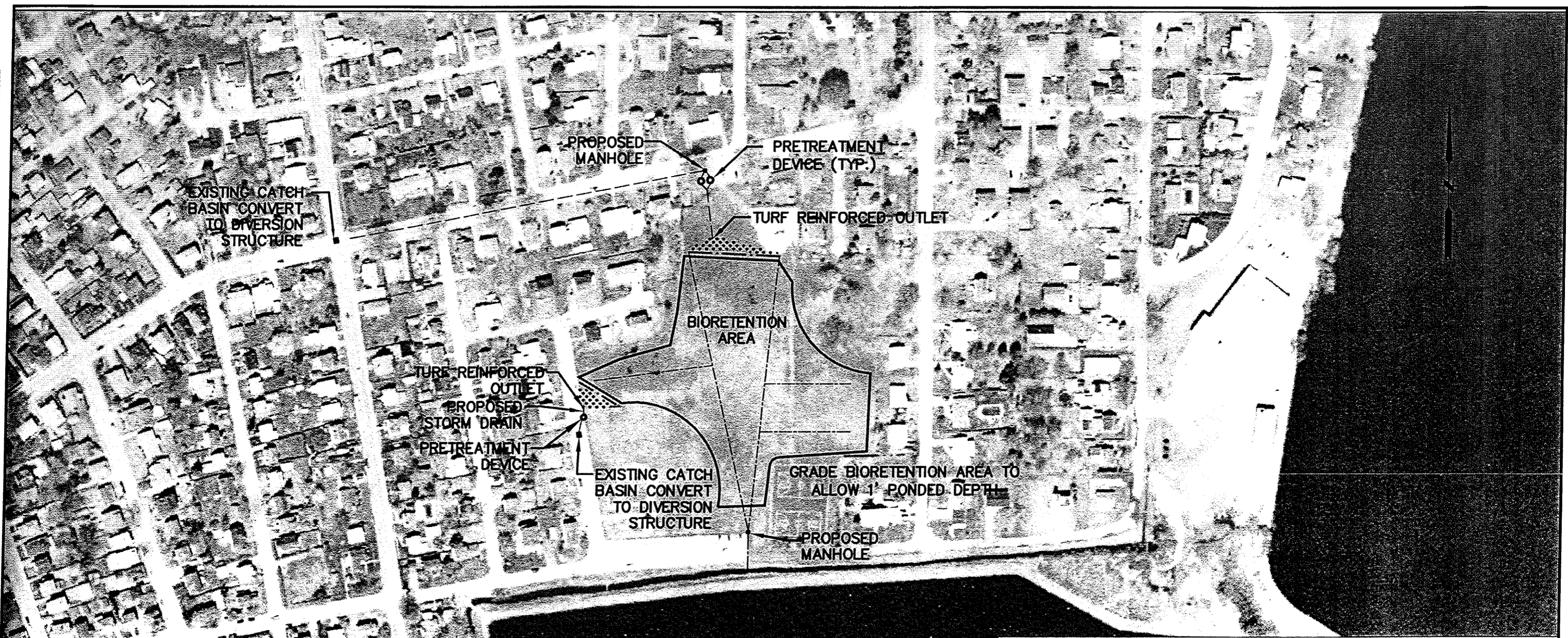
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CTB: FD STANDARD

LUMN: BIORETENTION

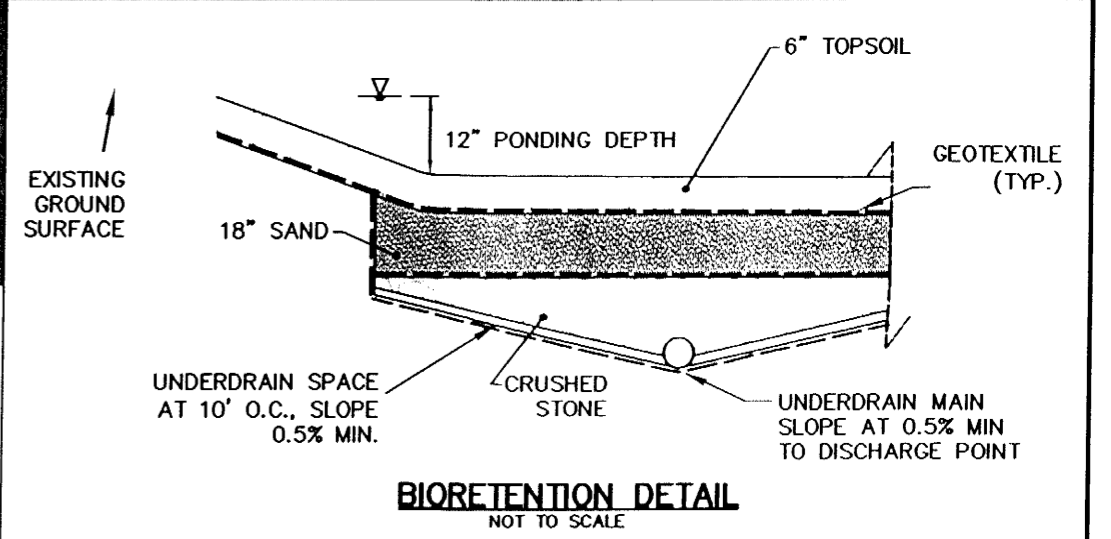
LMS VIEW: MS 200

UCS: WLD



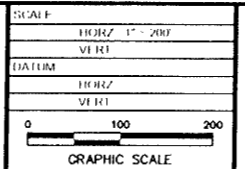
LEGEND

- UNDERDRAIN MAIN LINES
- BERM/SWALE LEVEL SPREADER
- STORM DRAIN
- ▨ TURF REINFORCEMENT



No.	DATE	DESCRIPTION	BY

PROJ. MANAGER	
CHIEF DESIGNER	
REVIEWED BY	
DATE	



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CITY OF NEWPORT
BIORETENTION AT BRAGA PARK
EASTON POND DAM AND MOAT STUDY

NEWPORT RHODE ISLAND

PROJECT NO. 200800101
DATE: MARCH 2007

WQ
LTA-6

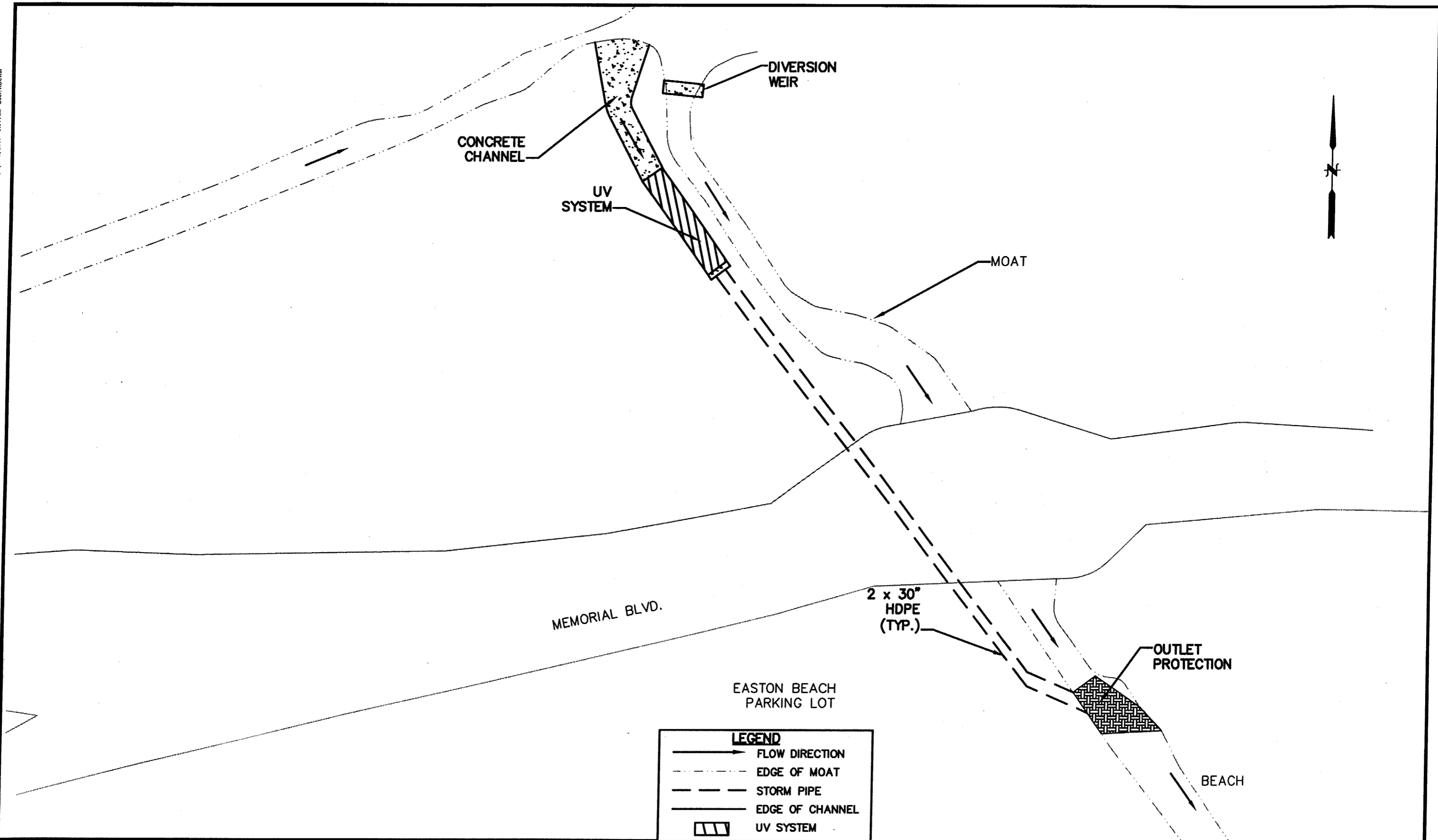
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CTB: FO STANDARD

LJMAN: UV PLAN

MS VIEW: MS 30

LCS: WRLO



LEGEND

- > FLOW DIRECTION
- - - - - EDGE OF MOAT
- - - - - STORM PIPE
- — — — — EDGE OF CHANNEL
- [Hatched Box] UV SYSTEM

No.	DATE	DESCRIPTION	BY

PROJ. MANAGER:	
CHIEF DESIGNER:	
REVIEWED BY:	
DATE:	

SCALE:

HORZ.: 1" = 30'

VERT.:

DATUM:

HORZ.:

VERT.:

0 15 30

GRAPHIC SCALE

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CITY OF NEWPORT
 UV TREATMENT SYSTEM
 PLAN VIEW
 EASTON POND DAM AND MOAT STUDY

NEWPORT RHODE ISLAND

PROJ. No: 2006901.A10
 DATE: MARCH 2007

WQ
LTA-8

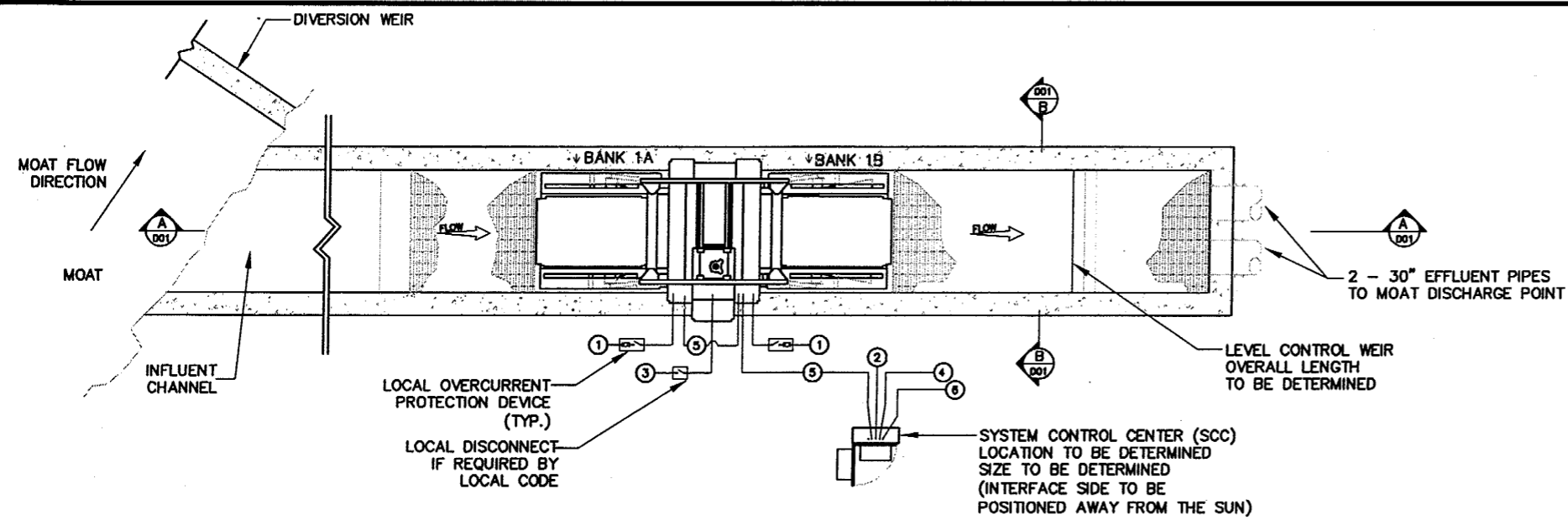
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CTB:

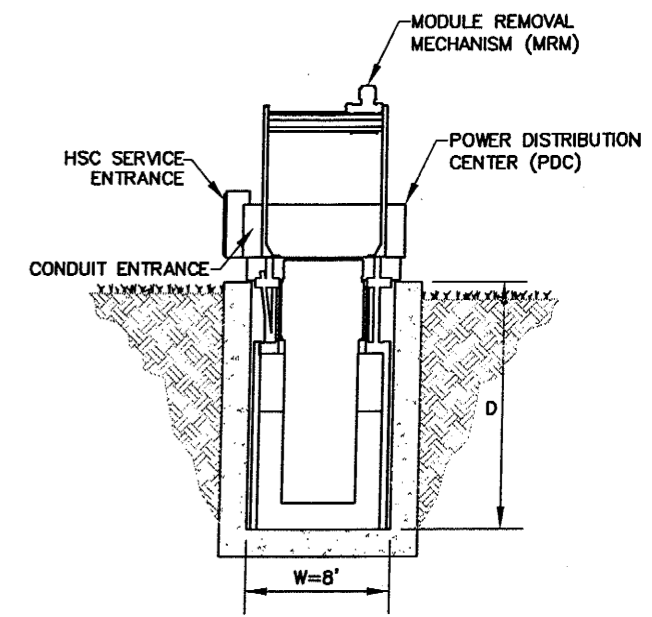
LMAN:

IMS VIEW:

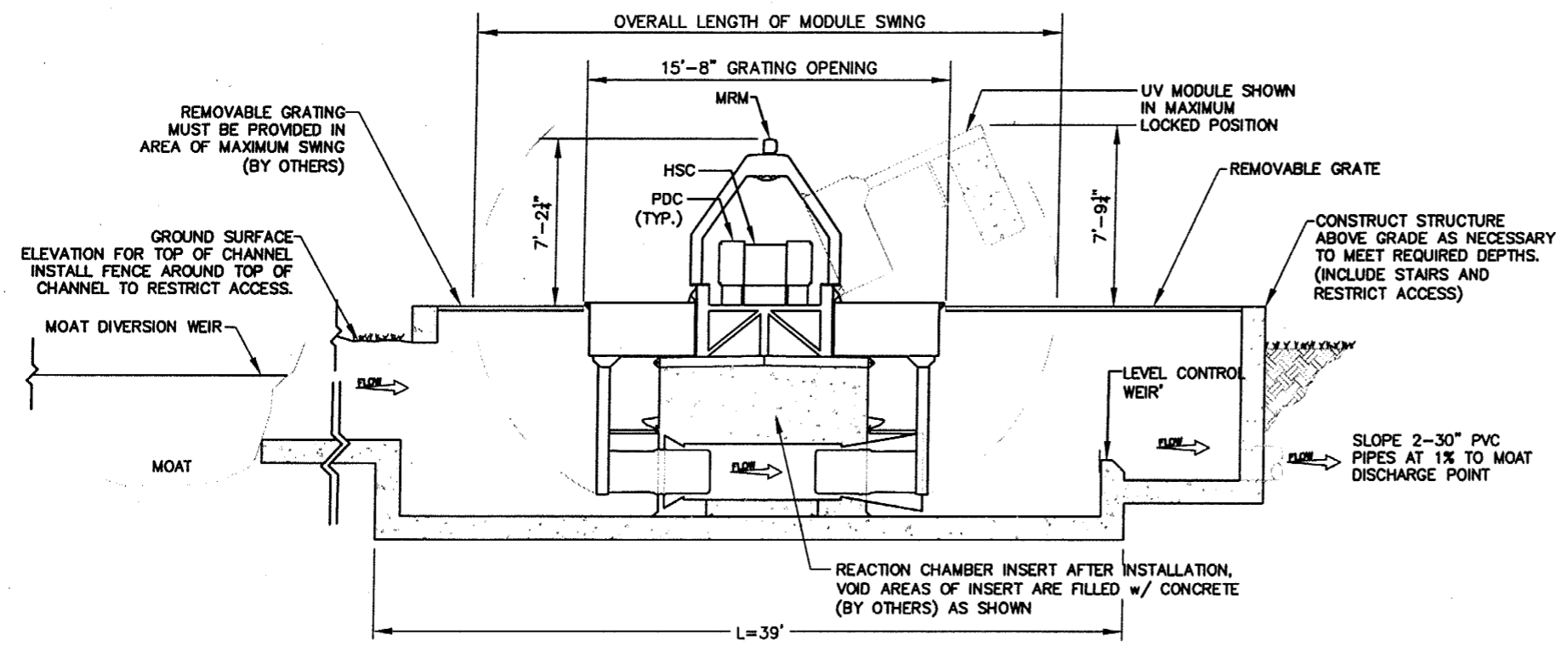
UCS:



UV TREATMENT SYSTEM
PLAN VIEW
NOT TO SCALE



UV TREATMENT SYSTEM
SECTION B-B
NOT TO SCALE



UV TREATMENT SYSTEM
SECTION A-A
NOT TO SCALE

No.	DATE	DESCRIPTION	BY

PROJ. MANAGER:	
CHIEF DESIGNER:	
REVIEWED BY:	
DATE:	

SCALE:	HORZ: NTS
	VERT:
DATUM:	
	HORZ:
	VERT:
GRAPHIC SCALE	



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CITY OF NEWPORT
UV TREATMENT SYSTEM
DETAILS
EASTON POND DAM AND MOAT STUDY

NEWPORT

RHODE ISLAND

PROJ. No.: 20080901.A10
DATE: MARCH 2007
WQ
LTA-8D